

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040566.D
 Acq On : 04 Mar 2024 14:10
 Operator : JC/MD
 Sample : P1662-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-352

Quant Time: Mar 05 00:25:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

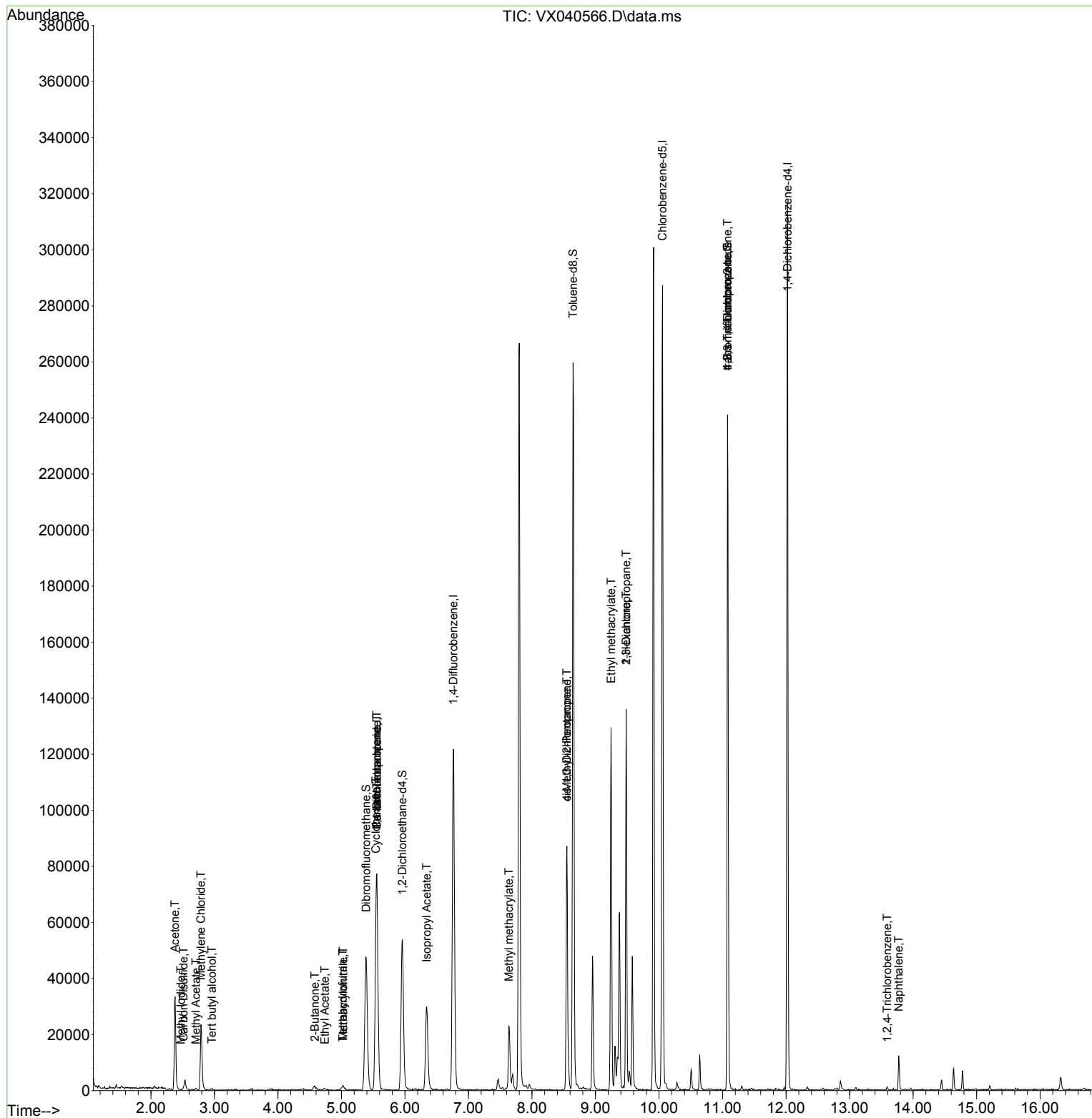
Internal Standards						
1) Pentafluorobenzene	5.556	168	69805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118451	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54937	47.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.100%		
35) Dibromofluoromethane	5.385	113	39474	47.923	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	149156	49.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.780%		
62) 4-Bromofluorobenzene	11.079	95	60646	53.211	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	106.420%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	37	3.049	ug/l #	34
11) Tert butyl alcohol	2.959	59	669	3.409	ug/l #	78
16) Acetone	2.380	43	35377	92.914	ug/l	98
17) Carbon Disulfide	2.514	76	462	0.210	ug/l #	76
18) Methyl Acetate	2.709	43	889	0.757	ug/l #	63
20) Methylene Chloride	2.788	84	10303	11.308	ug/l	98
25) 2-Butanone	4.580	43	3110	4.688	ug/l #	75
29) Tetrahydrofuran	5.019	42	1429	3.088	ug/l #	82
31) Cyclohexane	5.544	56	1919	1.451	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	6435	5.071	ug/l #	47
37) Ethyl Acetate	4.739	43	1363	0.981	ug/l #	72
38) Carbon Tetrachloride	5.556	117	7987	6.515	ug/l #	14
41) Methacrylonitrile	5.026	41	886	1.142	ug/l #	52
43) Isopropyl Acetate	6.342	43	42988	19.726	ug/l	98
48) Methyl methacrylate	7.635	41	828	0.760	ug/l #	29
51) 4-Methyl-2-Pentanone	8.549	43	34718	24.095	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	12804	8.818	ug/l #	67
56) Ethyl methacrylate	9.244	69	273	0.202	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1145	0.751	ug/l #	42
59) 2-Hexanone	9.482	43	15406	13.907	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	35299	25.753	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35299	75.021	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	295	0.219	ug/l	84
95) Naphthalene	13.774	128	7613	1.772	ug/l	98

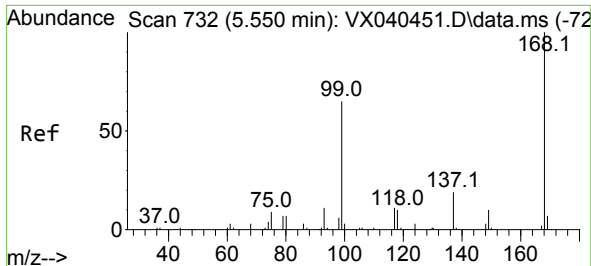
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

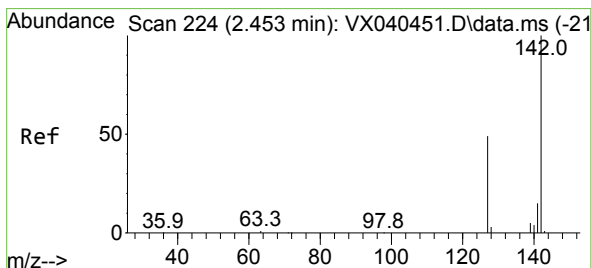
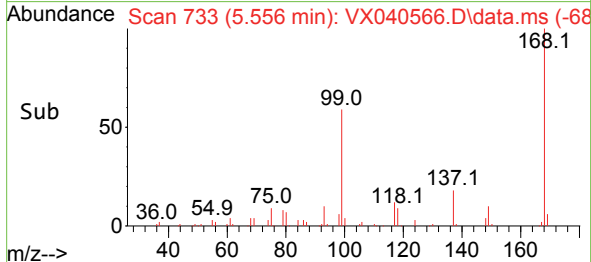
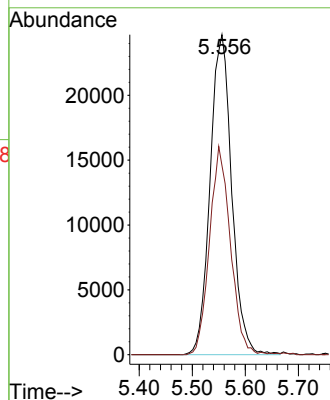
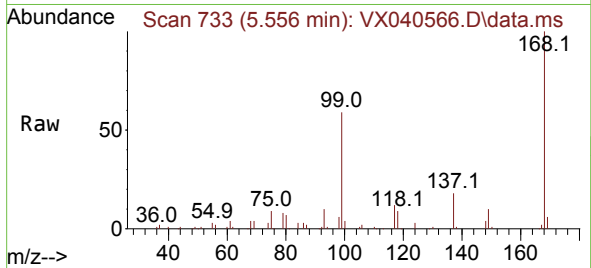




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

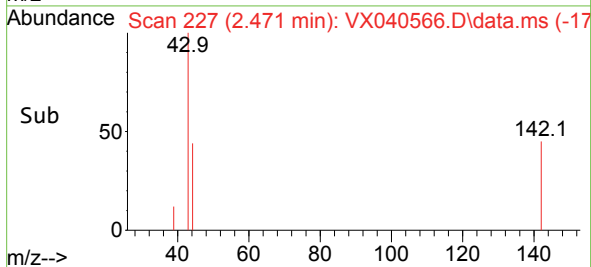
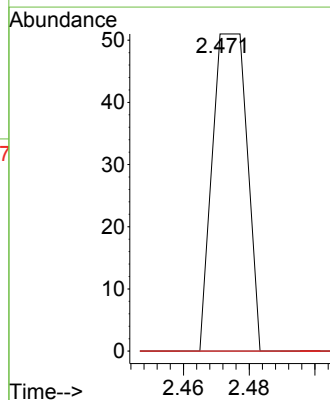
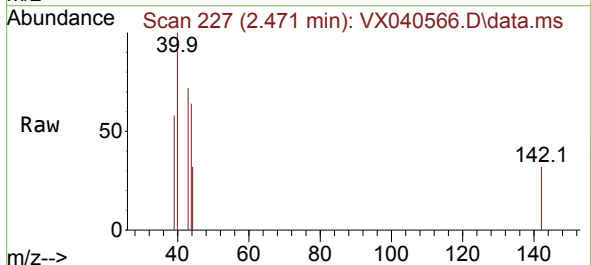
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

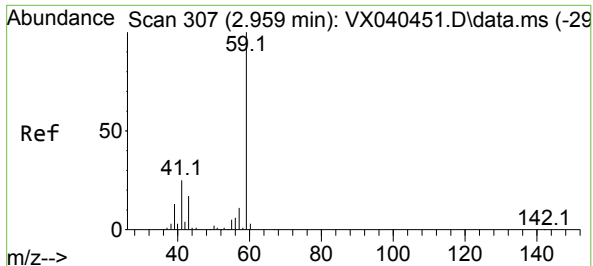
Tgt Ion:168 Resp: 69805
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#10
Methyl Iodide
Concen: 3.049 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion:142 Resp: 37
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 3.409 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

Instrument :

MSVOA_X

ClientSampleId :

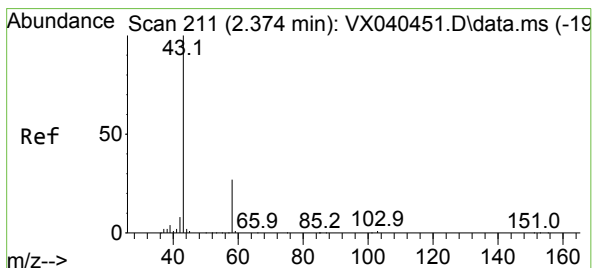
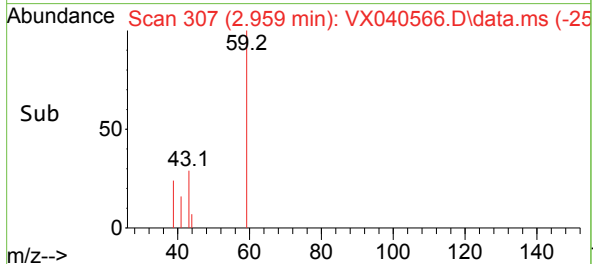
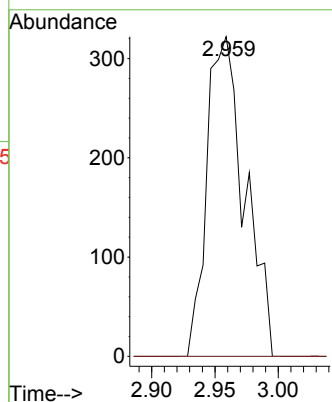
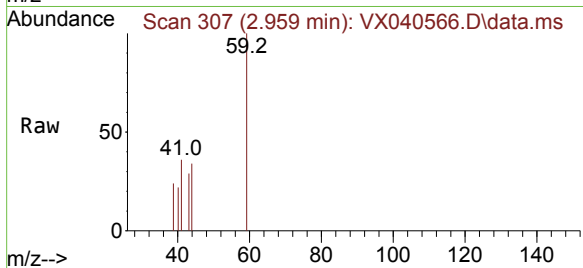
ETGI-352

Tgt Ion: 59 Resp: 669

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 92.914 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040566.D

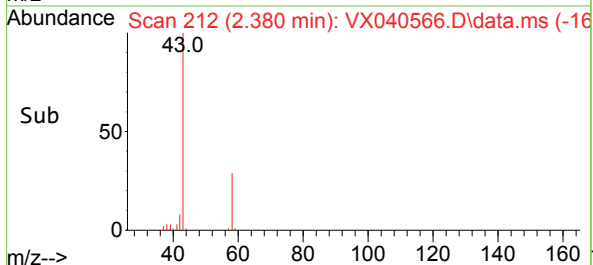
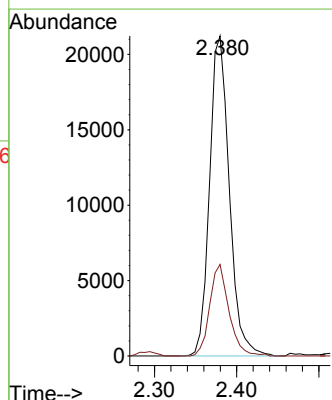
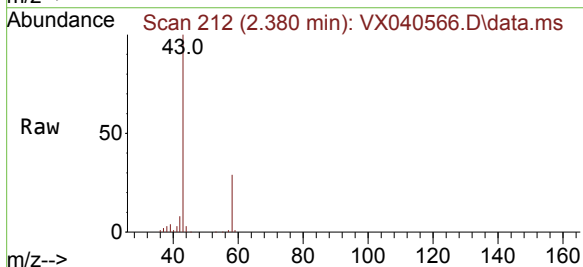
Acq: 04 Mar 2024 14:10

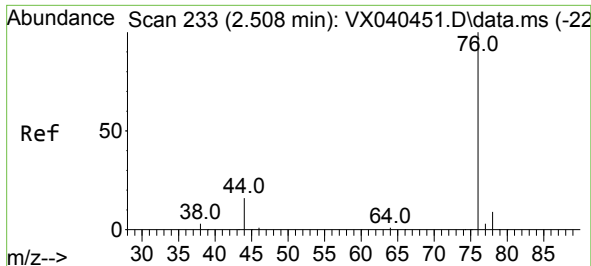
Tgt Ion: 43 Resp: 35377

Ion Ratio Lower Upper

43 100

58 28.6 21.9 32.9





#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

Instrument :

MSVOA_X

ClientSampleId :

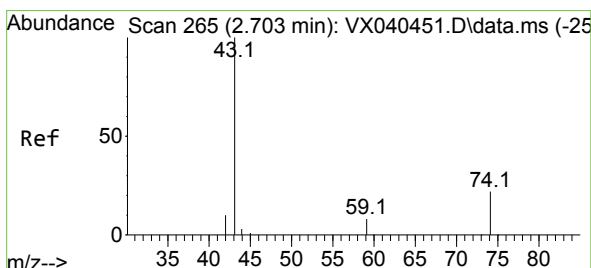
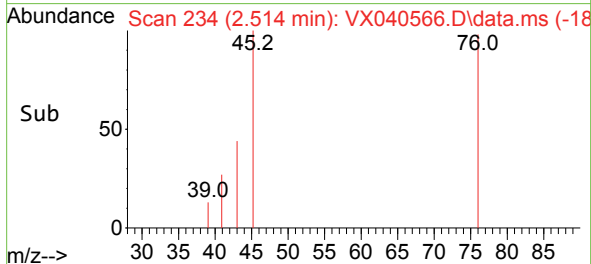
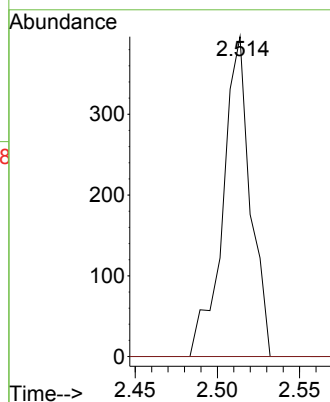
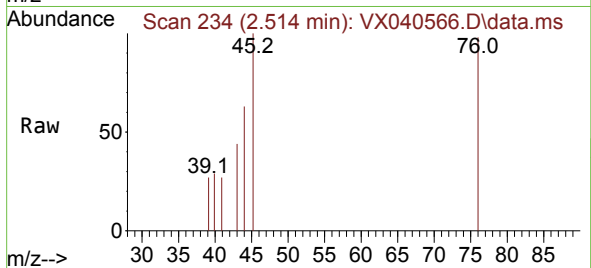
ETGI-352

Tgt Ion: 76 Resp: 462

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.757 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040566.D

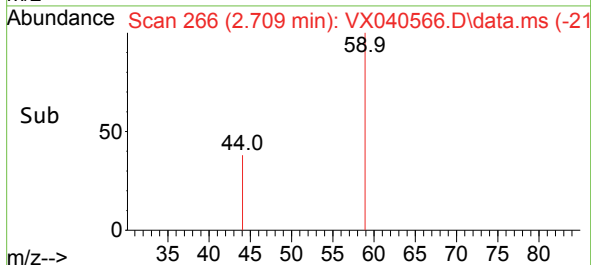
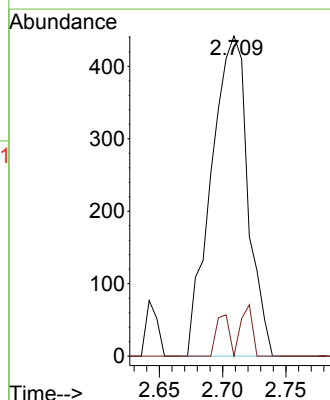
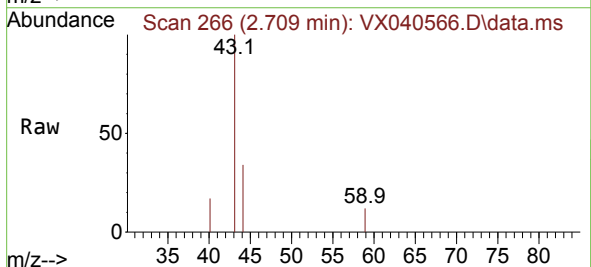
Acq: 04 Mar 2024 14:10

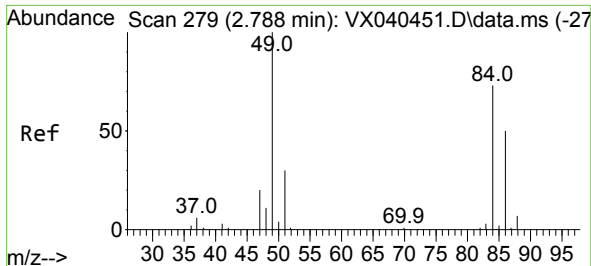
Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

74 4.5 17.8 26.8#



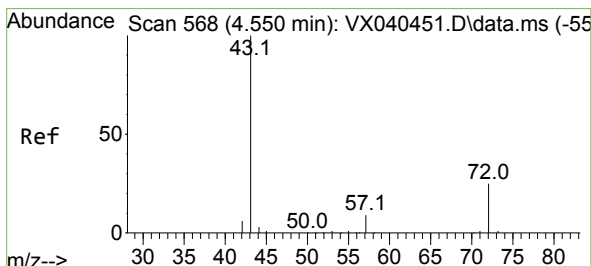
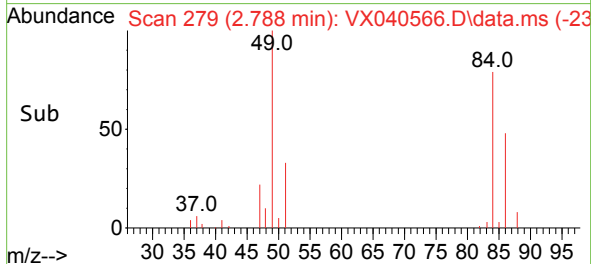
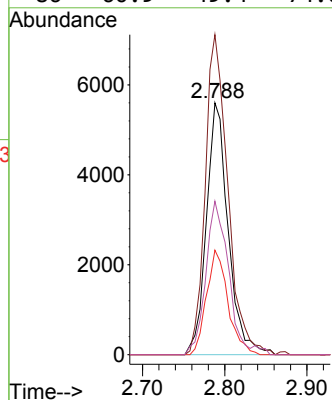
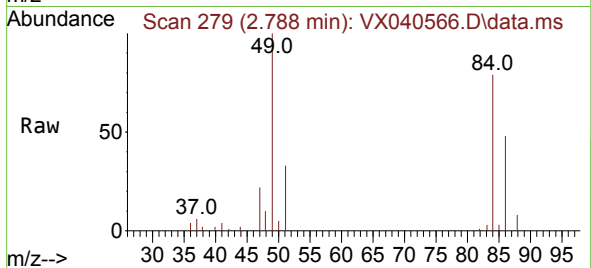


#20
Methylene Chloride
Concen: 11.308 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

Tgt Ion: 84 Resp: 10303

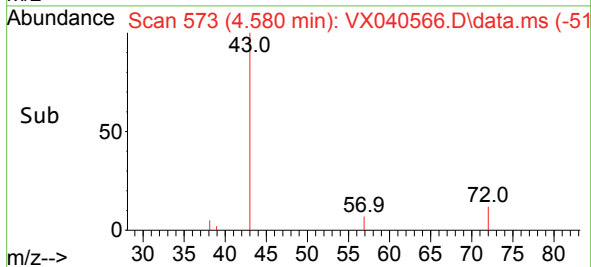
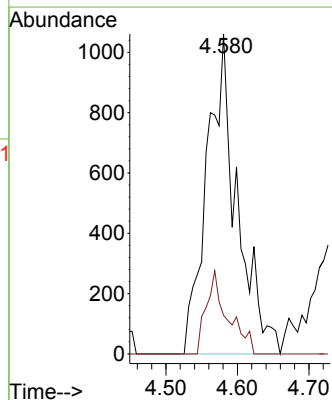
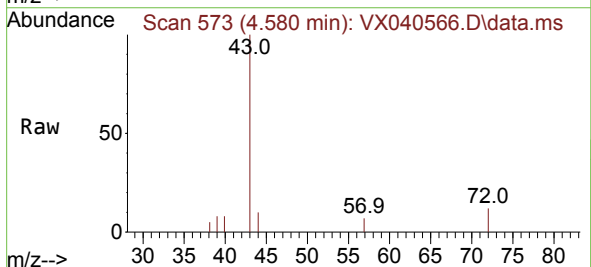
Ion	Ratio	Lower	Upper
84	100		
49	127.1	103.6	155.4
51	41.5	33.8	50.6
86	60.9	49.4	74.0

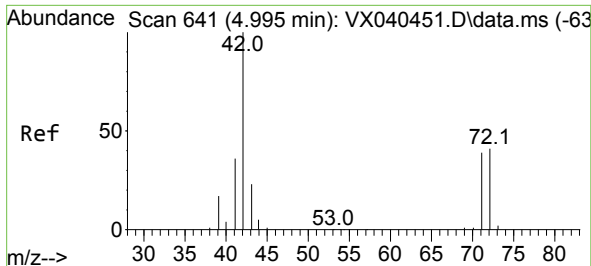


#25
2-Butanone
Concen: 4.688 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.030 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 43 Resp: 3110

Ion	Ratio	Lower	Upper
43	100		
72	12.1	19.4	29.2#





#29

Tetrahydrofuran

Concen: 3.088 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

Instrument :

MSVOA_X

ClientSampleId :

ETGI-352

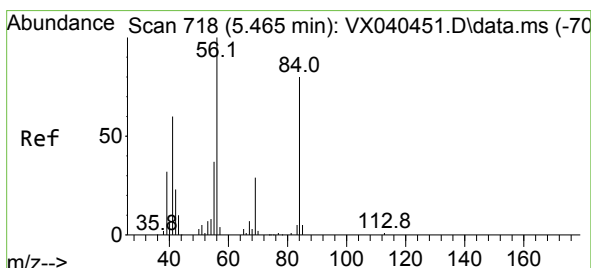
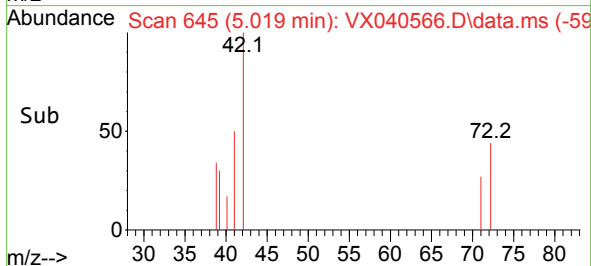
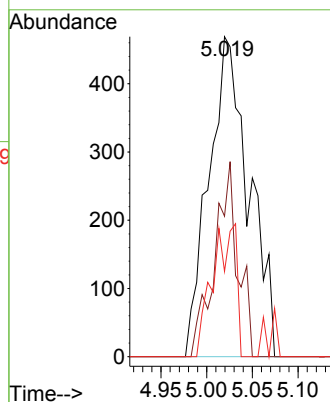
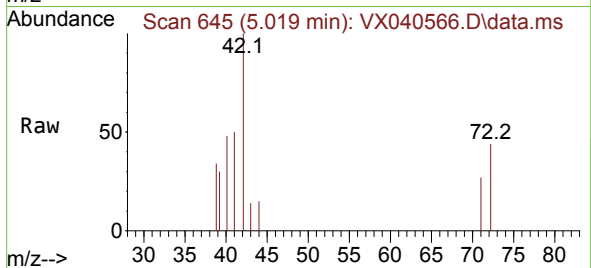
Tgt Ion: 42 Resp: 1429

Ion Ratio Lower Upper

42 100

72 35.4 34.2 51.4

71 24.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.451 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

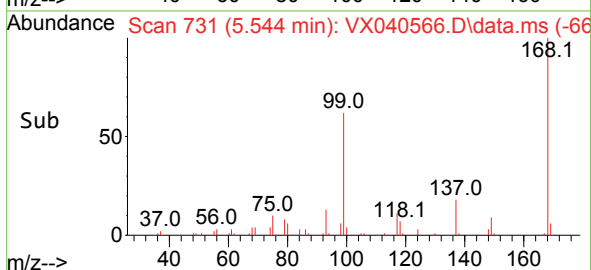
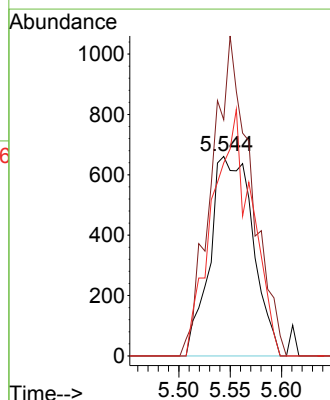
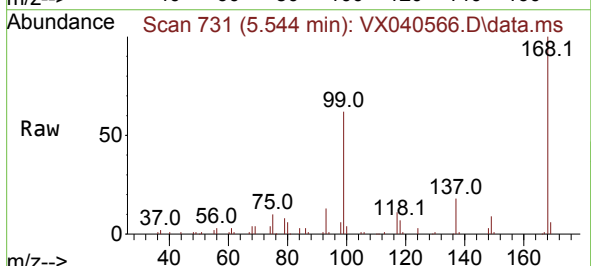
Tgt Ion: 56 Resp: 1919

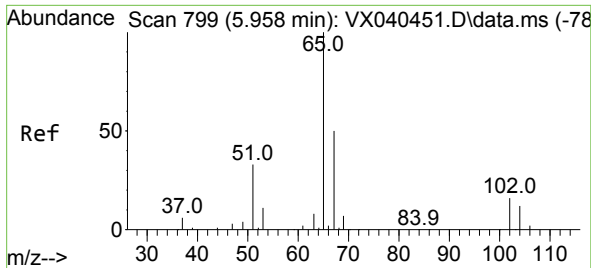
Ion Ratio Lower Upper

56 100

69 118.3 23.4 35.2#

84 96.7 65.9 98.9

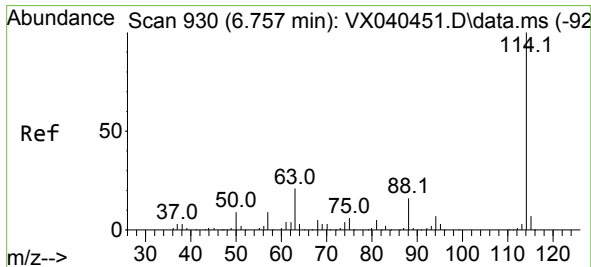
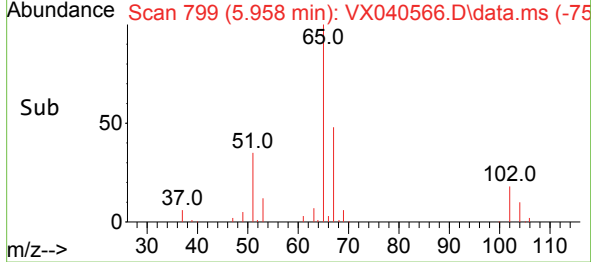
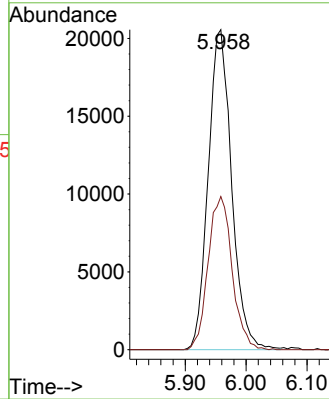
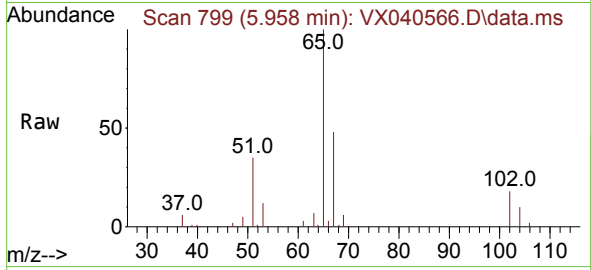




#33
1,2-Dichloroethane-d4
Concen: 47.054 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

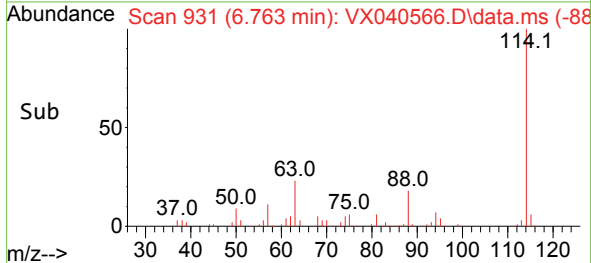
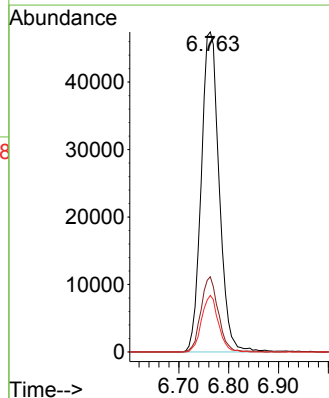
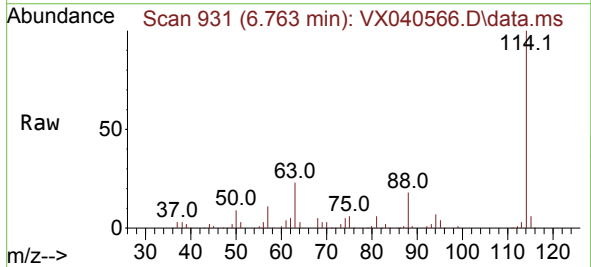
Instrument :
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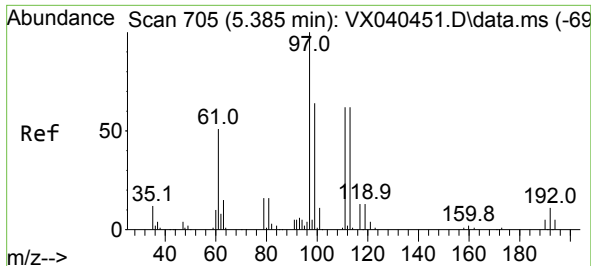
Tgt Ion: 65 Resp: 54937
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 114 Resp: 118451
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 17.7 0.0 36.6

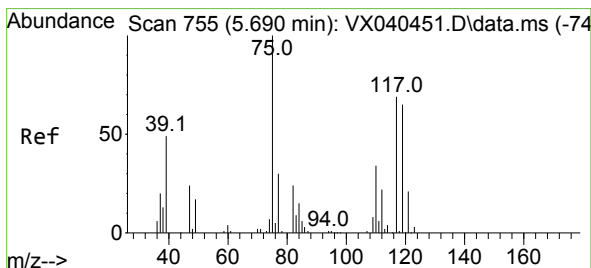
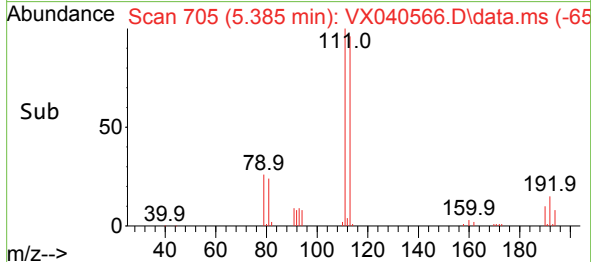
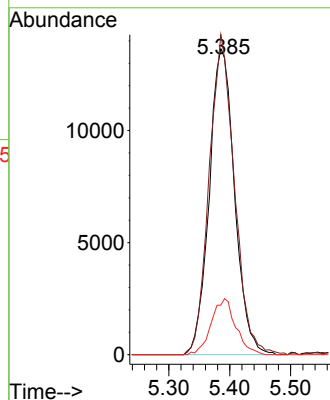
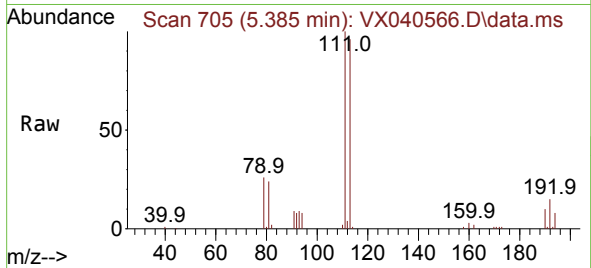




#35
Dibromofluoromethane
Concen: 47.923 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

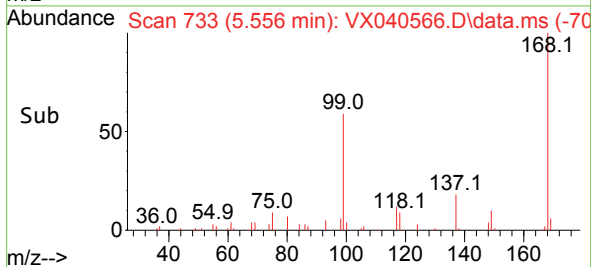
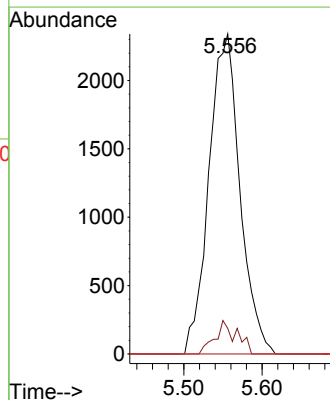
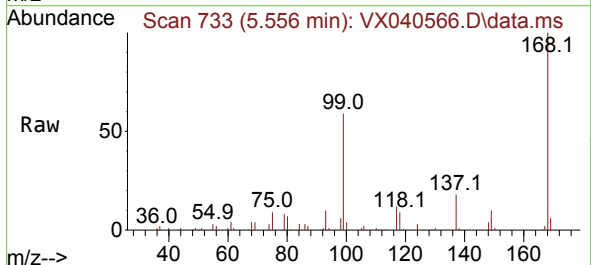
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

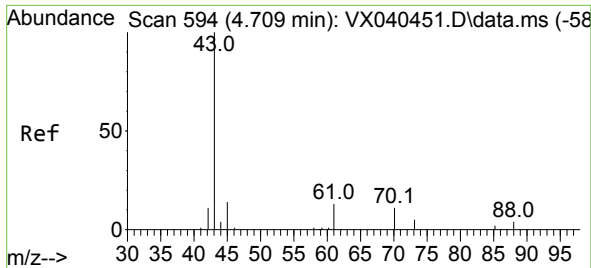
Tgt Ion:113 Resp: 39474
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 75 Resp: 6435
Ion Ratio Lower Upper
75 100
110 5.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.981 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.030 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

Instrument :

MSVOA_X

ClientSampleId :

ETGI-352

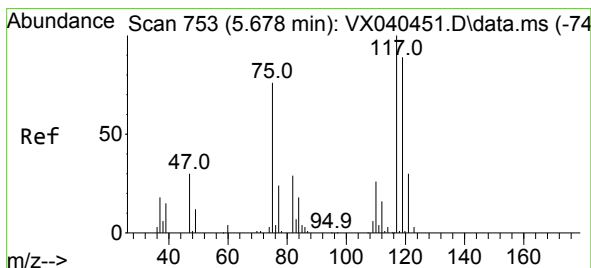
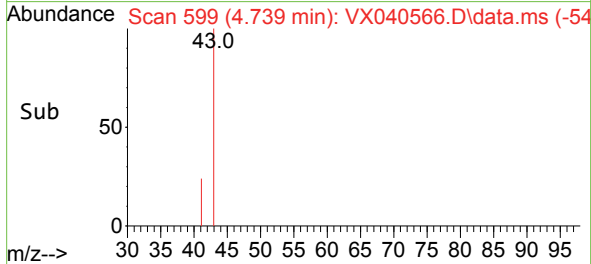
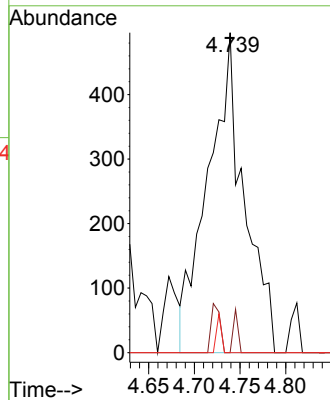
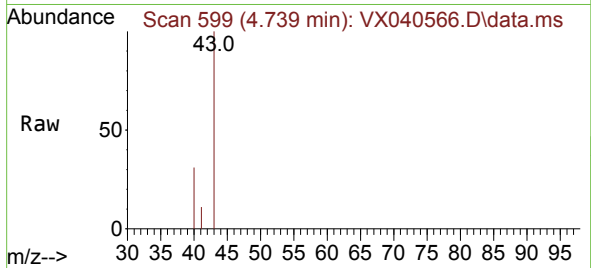
Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

61 1.8 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.515 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

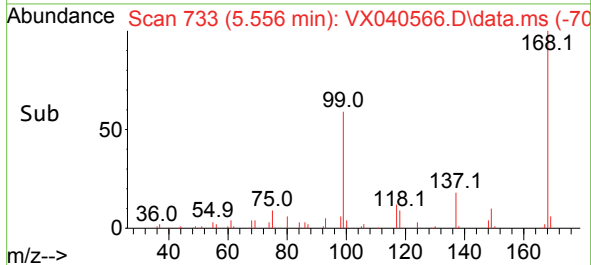
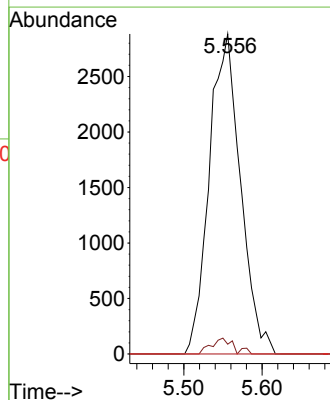
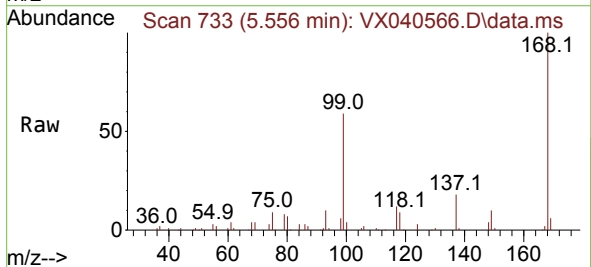
Tgt Ion: 117 Resp: 7987

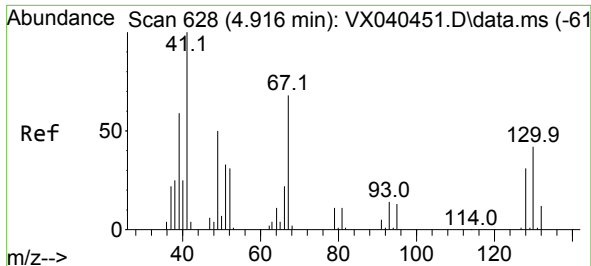
Ion Ratio Lower Upper

117 100

119 3.1 78.2 117.2#

121 0.0 24.4 36.6#

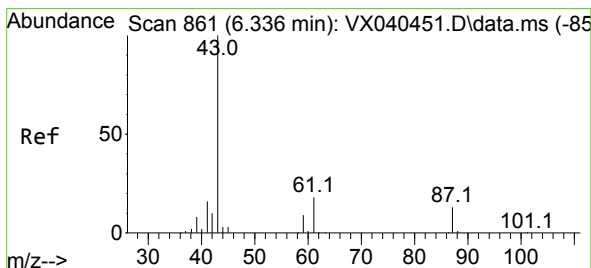
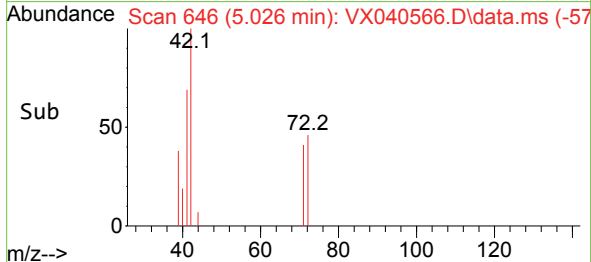
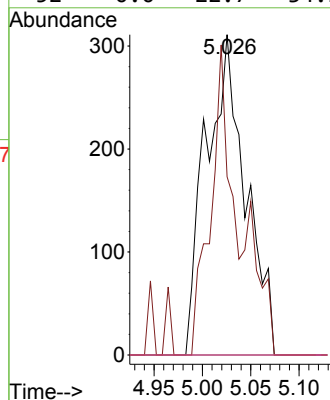
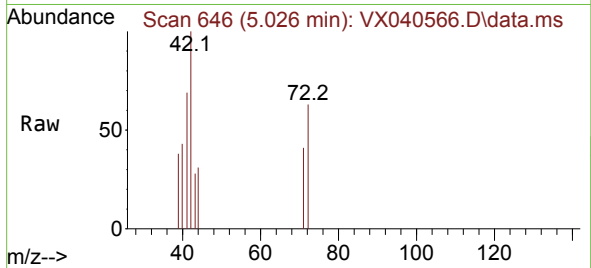




#41
Methacrylonitrile
Concen: 1.142 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

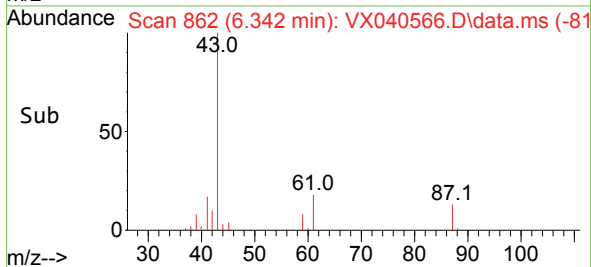
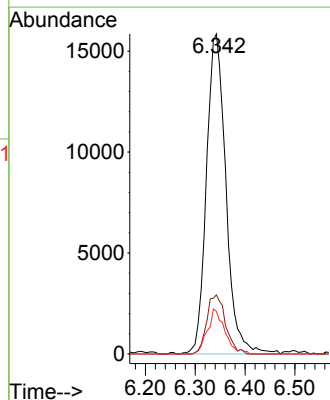
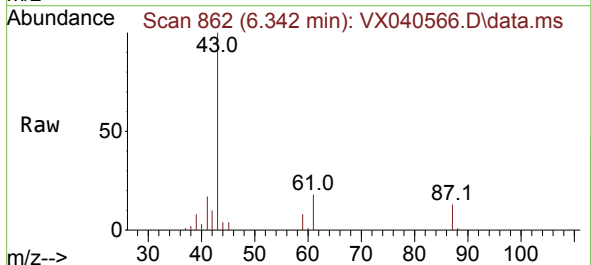
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

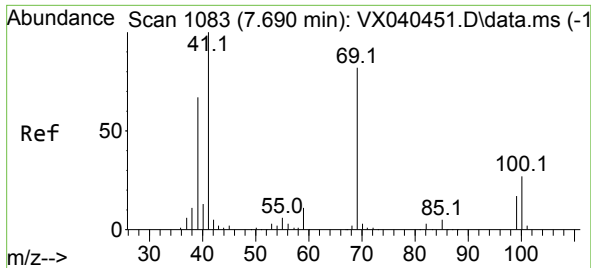
Tgt Ion: 41	Resp:	886
Ion	Ratio	Lower Upper
41	100	
39	53.8	45.2 67.8
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 19.726 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 43	Resp:	42988
Ion	Ratio	Lower Upper
43	100	
61	17.8	15.2 22.8
87	12.5	9.8 14.6

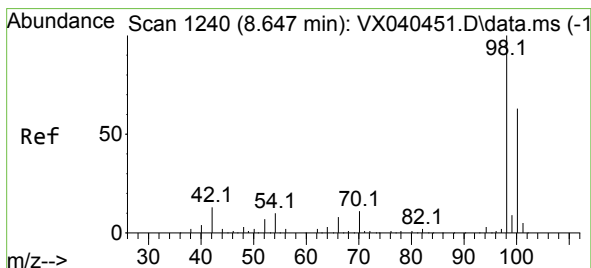
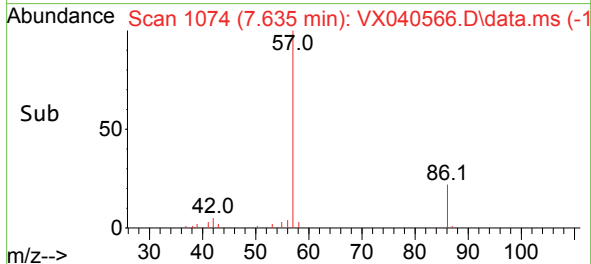
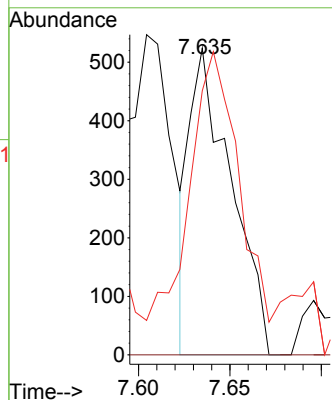
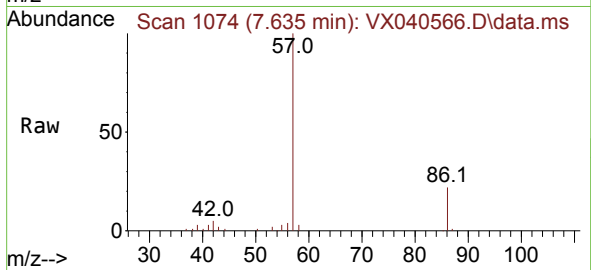




#48
Methyl methacrylate
Concen: 0.760 ug/l
RT: 7.635 min Scan# 1083
Delta R.T. -0.055 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

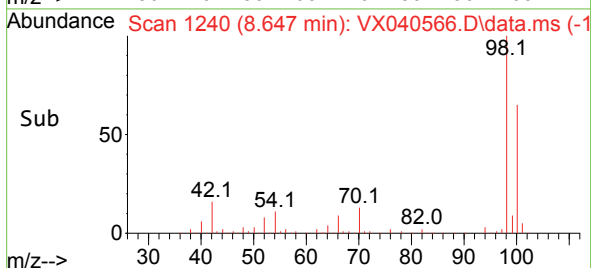
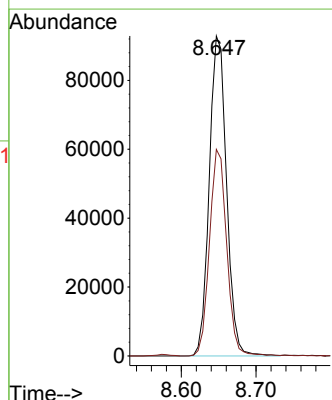
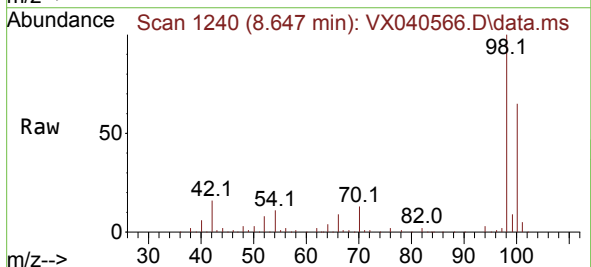
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

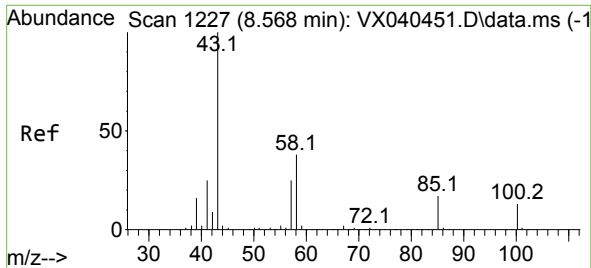
Tgt Ion: 41 Resp: 828
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 98.1 47.7 71.5#



#50
Toluene-d8
Concen: 49.886 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 98 Resp: 149156
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

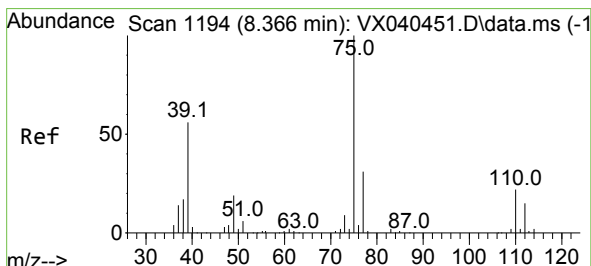
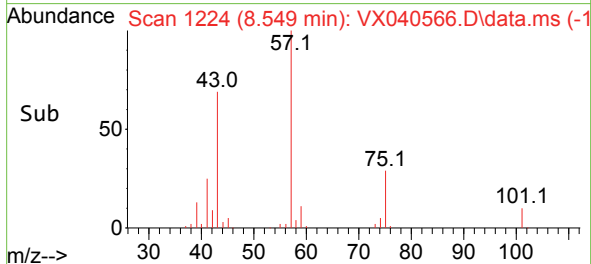
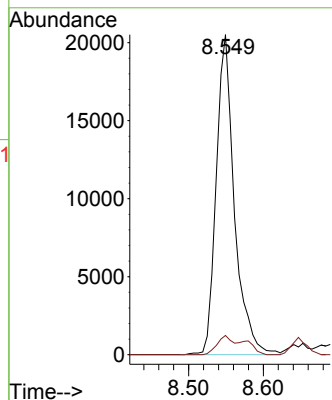
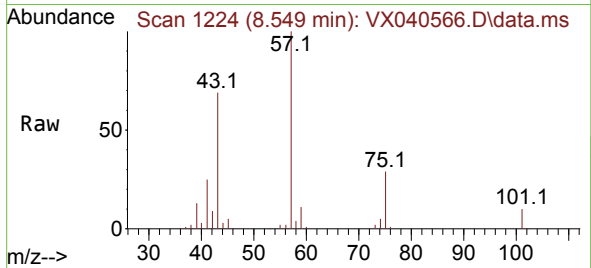




#51
4-Methyl-2-Pentanone
Concen: 24.095 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

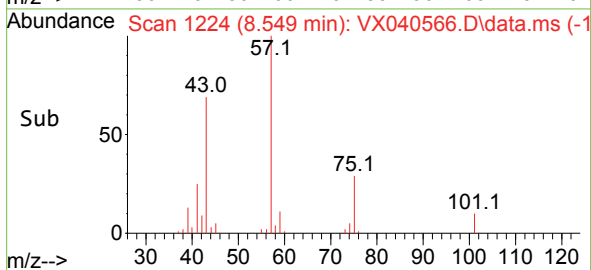
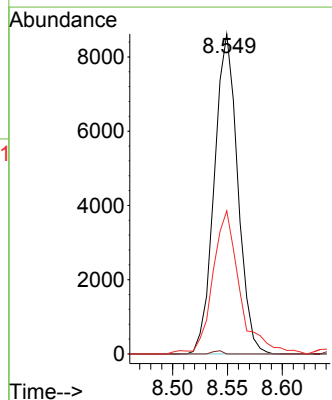
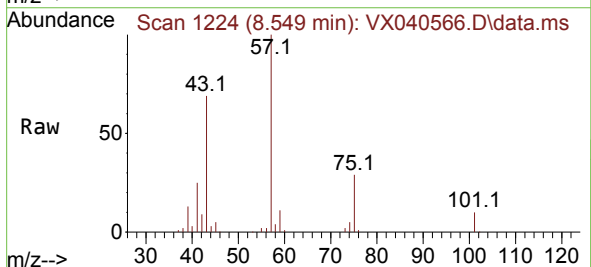
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

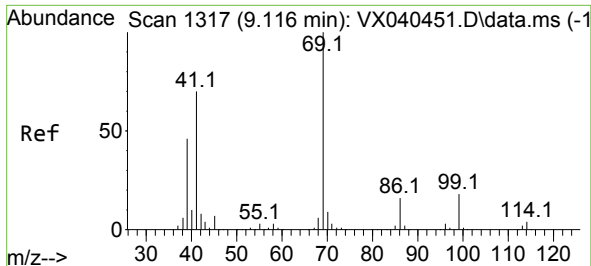
Tgt Ion: 43 Resp: 34718
Ion Ratio Lower Upper
43 100
58 5.1 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 8.818 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 75 Resp: 12804
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 43.7 46.7 70.1#

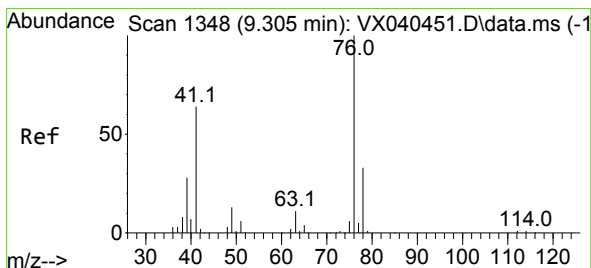
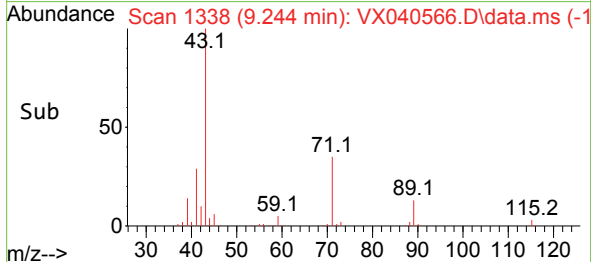
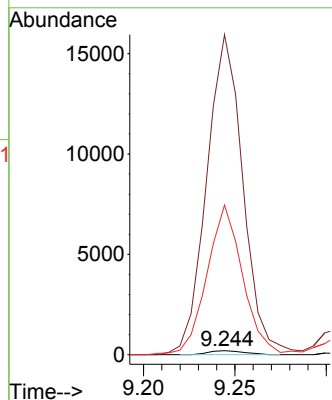
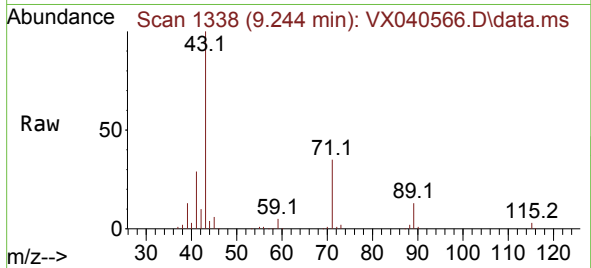




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

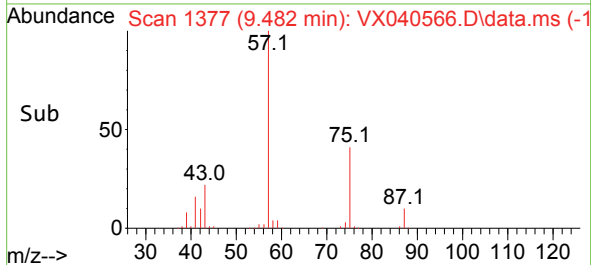
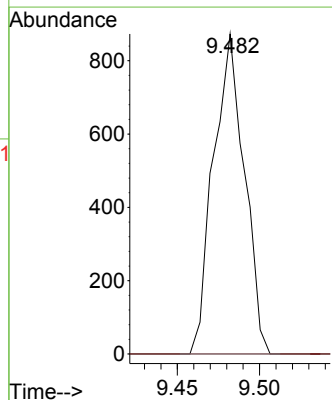
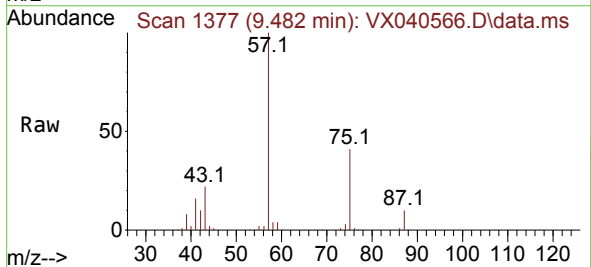
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

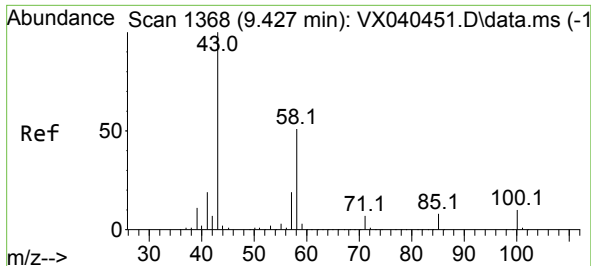
Tgt Ion: 69 Resp: 273
Ion Ratio Lower Upper
69 100
41 8109.5 56.8 85.2#
39 3754.2 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 0.751 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 76 Resp: 1145
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

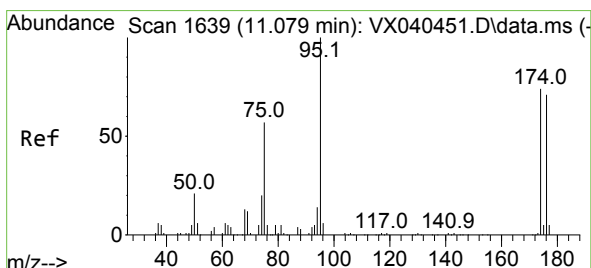
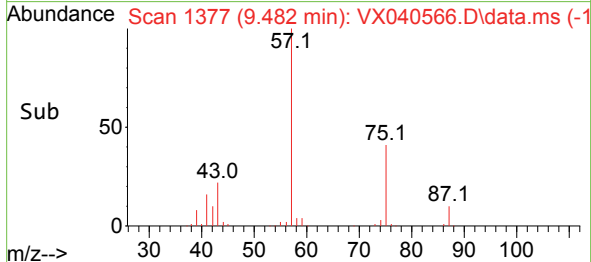
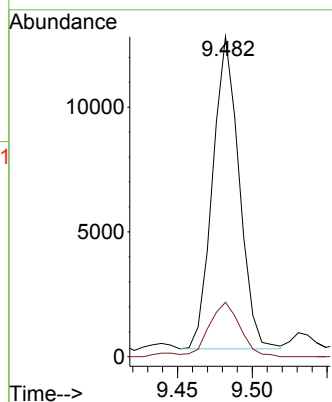
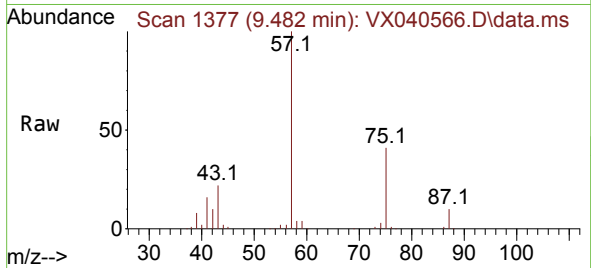




#59
2-Hexanone
Concen: 13.907 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

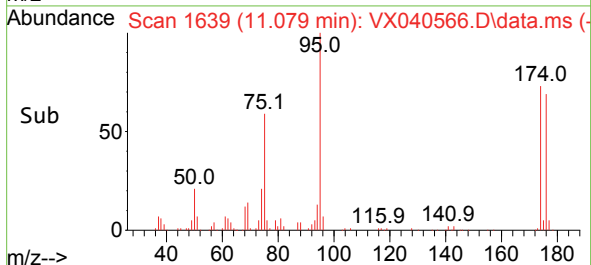
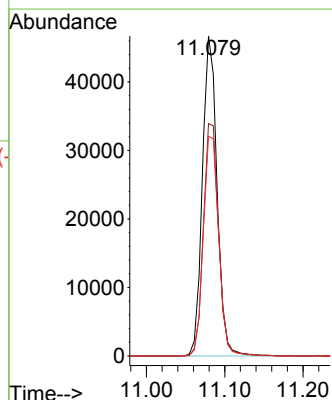
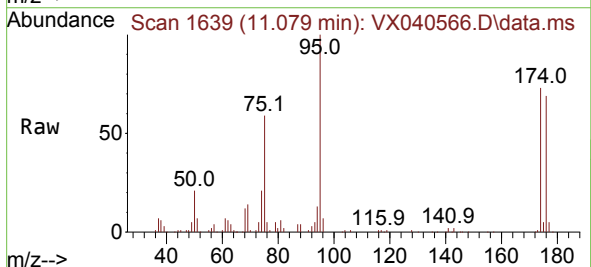
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

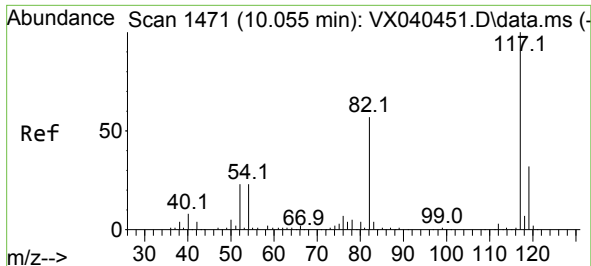
Tgt Ion: 43 Resp: 15406
Ion Ratio Lower Upper
43 100
58 20.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion: 95 Resp: 60646
Ion Ratio Lower Upper
95 100
174 75.3 0.0 135.6
176 72.2 0.0 131.0

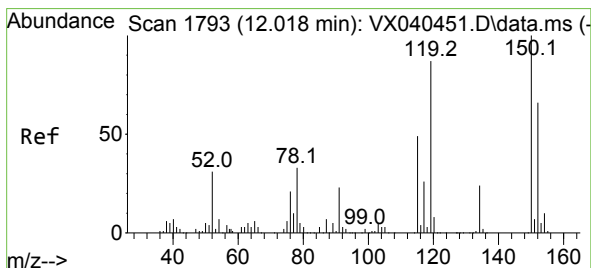
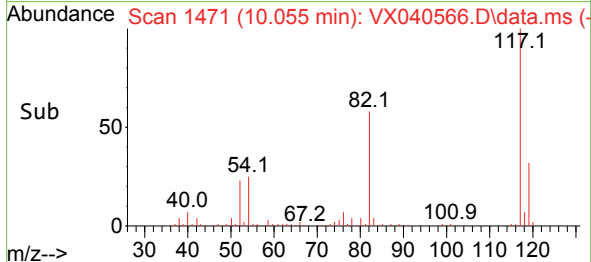
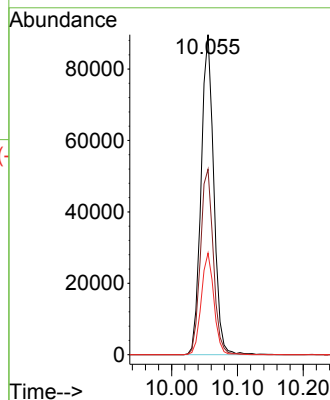
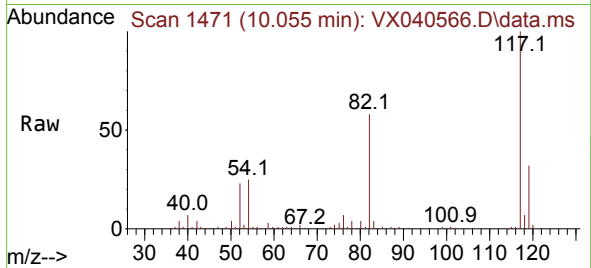




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

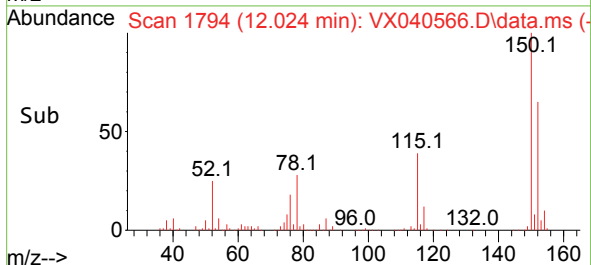
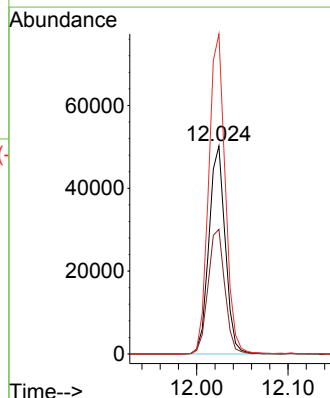
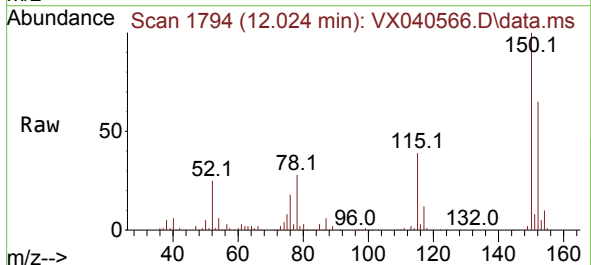
Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

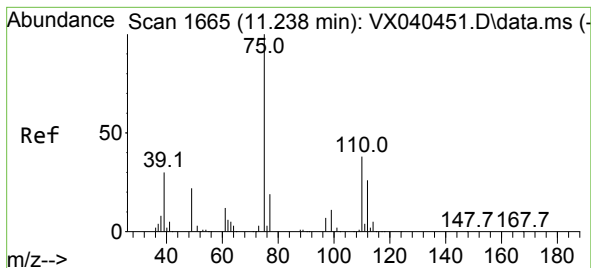
Tgt Ion:117 Resp: 119873
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion:152 Resp: 62281
Ion Ratio Lower Upper
152 100
115 61.7 43.3 129.9
150 155.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.753 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

Instrument :

MSVOA_X

ClientSampleId :

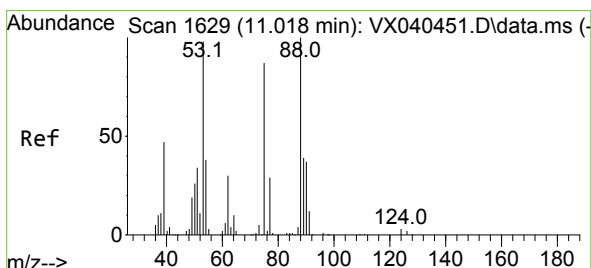
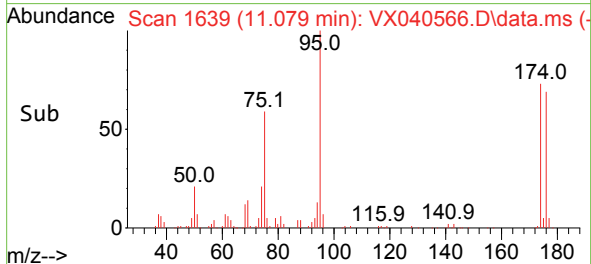
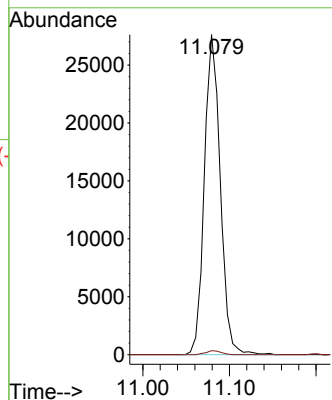
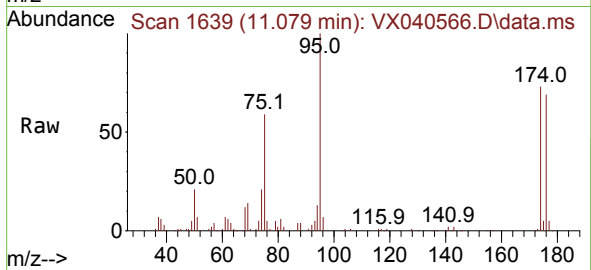
ETGI-352

Tgt Ion: 75 Resp: 35299

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.021 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040566.D

Acq: 04 Mar 2024 14:10

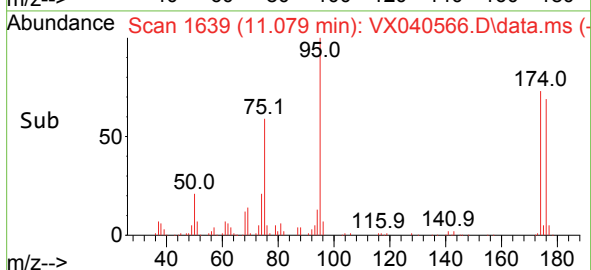
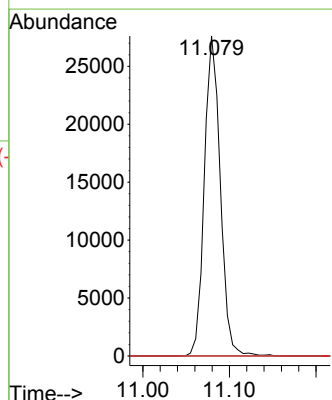
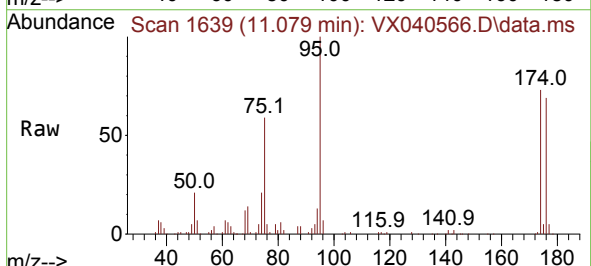
Tgt Ion: 75 Resp: 35299

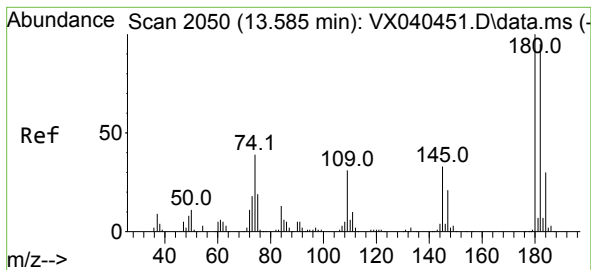
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

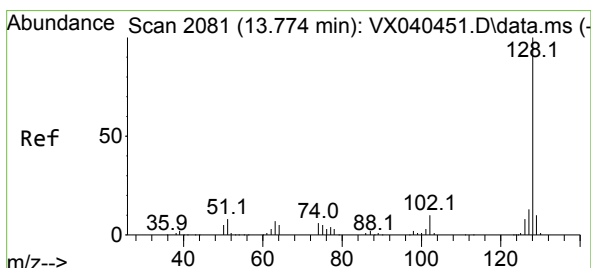
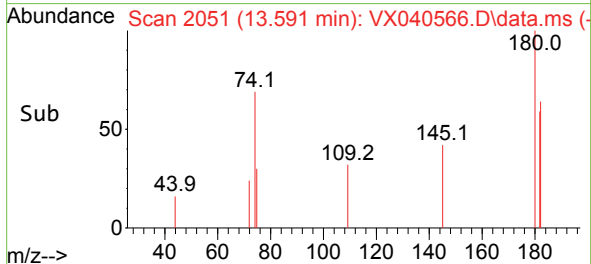
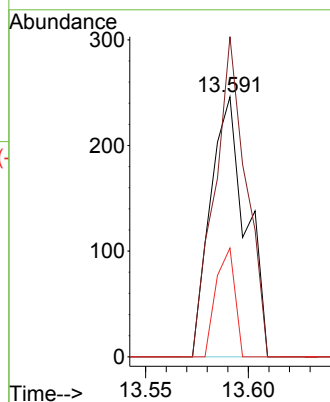
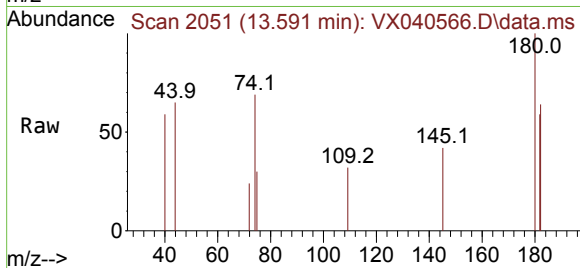




#93
1,2,4-Trichlorobenzene
Concen: 0.219 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Instrument :
MSVOA_X
ClientSampleId :
ETGI-352

Tgt Ion:180 Resp: 295
Ion Ratio Lower Upper
180 100
182 109.5 48.3 144.8
145 22.4 18.0 54.0



#95
Naphthalene
Concen: 1.772 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040566.D
Acq: 04 Mar 2024 14:10

Tgt Ion:128 Resp: 7613
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.4 8.8 13.2

